

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

93

Application Number

09/918 523

Filing Date

08/01/2001

First Named Inventor

RAJA SINGH TULI

Art Unit

2821

Examiner Name

ANIL K. TILAK

Priority Document Number

**ENCLOSURES**

(Check all that apply)



Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)



Response to Missing Parts/Incomplete Application



Response to Missing Parts under 37 CFR 1.52 or 1.53



Drawing(s)



Licensing-related Papers



Petition



Petition to Convert to a Provisional Application



Power of Attorney, Revocation



Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s)



After Allowance communication to Group



Appeal Communication to Board of Appeals and Interferences



Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)



Proprietary Information



Status Letter



Other Enclosure(s) (please identify below):

**Remarks**

\* See Attached note regarding IDS sent earlier. + proof of delivery

Total pages = 88 + 5 = 93

By Fax & pages only.

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name

Signature

Date

RAJA SINGH TULI

[Signature]

December 09/2003

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**Raja Singh Tuli**  
**555 Rene-Levesque West, Suite 1130, Montreal, Quebec H2Z 1B1, Canada**  
**Tel: 514.871.0984 Fax: 514.871.3864**

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**Applicant: Raja Singh Tuli**

**Examiner: Phan, Tho Gia**

**Application Number: 09/918,523**

**Filing Date: 08/01/2001**

**Date of Response: December 09/2003**

**Art Unit: 2821**

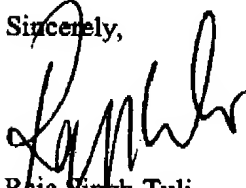
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Dear Examiner Phan,

This is to bring to your attention that an information disclosure statement (IDS) was filed on Nov 07, 2003 a day after the RCE was requested. Upon a telephone inquiry with the USPTO helpline the **Mail Stop** was given as **DD** with stands for document disclosure program and not IDS. The mail via courier was delivered with the **Mail Stop** marked as **DD**. Copies of the cover letter, PTO/SB/08A and PTO/SB/08B and PTO/SB/21 sent earlier, are also being faxed along with this notice. Further, the same material is also being resubmitted and will follow via courier.

Sincerely,



Raja Singh Tuli  
Inventor

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DEC 09 2003

OFFICIAL

**Raja Singh Tuli**  
555 Rene-Levesque West, Suite 1130, Montreal, Quebec H2Z 1B1, Canada  
Tel: 514.871.0984 Fax: 514.871.3864

Applicant: Raja Singh Tuli

Examiner: Phan, Tho Gia

Application Number: 09/918,523

Filing Date: 08/01/2001

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Art Unit: 2821

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### INFORMATION DISCLOSURE STATEMENT

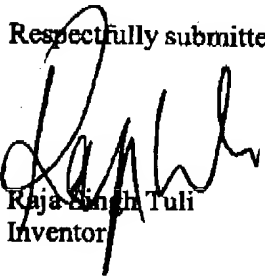
Sir:

Enclosed is a copy of Information Disclosure Citation forms PTO/SB/08A and PTO/SB/08B and copy of non-U.S. patent documents. It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation forms PTO/SB/08A and PTO/SB/08B be initialed by the examiner to indicate such a consideration and a copy thereof returned to the applicant.

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under 37 C.F.R. § 1.97 (b)(4).

Respectfully submitted,

  
Raja Singh Tuli  
Inventor

PTO/88/21 (08-03)  
Approved for use through 07/31/2006. OMB 0881-0031  
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<b>TRANSMITTAL FORM</b> <small>(to be used for all correspondence after initial filing)</small>	Application Number	09/918,523
	Filing Date	08/01/2001
	First Named Inventor	RAJA SINGH TULI
	Art Unit	2821
	Examiner Name	PHAN, THO GIA
Total Number of Pages in This Submission	Attorney Docket Number	

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.82 or 1.83	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks 88 = Forms + Statement + US Patents + Non US documents Total pg. 4 1 23 60 RCE filed on Nov 06/2003		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	RAJA SINGH TULI	
Signature	<i>Rajul</i>	
Date	NOV. 07, 2003	

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**Raja Singh Tuli**  
555 Rene-Levesque West, Suite 1130, Montreal, Quebec H2Z 1B1, Canada  
Tel: 514.871.0984 Fax: 514.871.3864

Applicant: Raja Singh Tuli

Examiner: Phan, Tho Gia

Application Number: 09/918,523

Filing Date: 08/01/2001

Date of Response: November 07/2003

Art Unit: 2821

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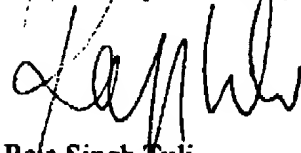
Sir:

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Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under 37 C.F.R. § 1.97 (b)(4).

Respectfully submitted,



Raja Singh Tuli  
Inventor

PTC/SB/06A (08-03)

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Substitute for form 14-90700

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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**Complete If Known**

Application Number	09/933 918 523
Filing Date	08/01/2001
First Named Inventor	Raja Singh Tuli
Art Unit	2821
Examiner Name	Phan, Tho Gia
Attorney Docket Number	

## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

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Examiner Signature		Date Considered	
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PTO/SB/088 (08-03)  
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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete If Known

Application Number	09/940,523 918,523
Filing Date	08/01/2001
First Named Inventor	Raja Singh Tuli
Art Unit	2821
Examiner Name	Phan, Tho Gia
Attorney Docket Number	

Sheet 1 of 2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		NAKAYAMA K et al, Charge-injection-controlled organic transistor, Applied Physics Letters, 2003, Vol. 82, No. 25, Pg. 4584	
		NAKAYAMA K et al, Photocurrent multiplication at organic/metal interface and surface morphology of organic films, Journal of Applied Physics, 2000, Vol. 87, No. 7, Pg. 3365	
		NAKAYAMA K et al, A high speed photocurrent multiplication device based on an organic double-layered structure, Applied Physics Letters, 2000, Vol. 76, No.9, Pg. 1194	
		NAKAYAMA K et al, Direct tracing of the photocurrent multiplication process in an organic pigment film, Journal of Applied Physics, 1998, Vol. 84, No. 11, Pg. 6154	
		HIRAMATO M et al, Photocurrent multiplication in amorphous silicon carbide films, Applied Physics Letters, 1991, Vol. 59, No. 16, Pg. 1992	
		HIRAMATO M et al, Photocurrent multiplication in organic pigment films, Applied Physics Letters, 1994, Vol. 64, No. 2, Pg. 187	
		HIRAMATO M et al, Spatially addressable light transducer....., Applied Physics Letters, 1990, Vol. 57, No. 16, Pg. 1625	
		HIRAMATO M et al, Photocurrent multiplication in organic single crystals, Applied Physics Letters, 2002, Vol. 81, No. 8, Pg. 1500	
		HIRAMATO M et al, Direct measurement of internal potential distribution in organic electroluminescent diodes....., Applied Physics Letters, 2000, Vol. 76, No. 10, Pg.1336	
		HIRAMATO M et al, Field-activated structural traps at organic pigment/metal interfaces causing photocurrent....., Applied Physics Letters, 1998, Vol. 73, No. 18, Pg. 2627	

Examiner Signature	Date Considered
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Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	09/ <del>200000</del> 9/8, 523
		Filing Date	08/01/2001
		First Named Inventor	Raja Singh Tuli
		Art Unit	2821
		Examiner Name	Phan, Tho Gia
Sheet 2	of 2	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		HIRAMOTO M et al, Light amplification in a new light transducer combining....., Optical Review, 1994, Vol. 1, No. 1, Pg. 82	
		HIRAMOTO M et al, Photocurrent multiplication phenomena at organic/metal and organic/organic interfaces, Thin Solid Films, 1998, No. 331, pg. 71-75	
		KATSUME T et al, Photocurrent multiplication in naphthalene tetracarboxylic anhydride film at room temprature, Applied Physics Letters, 1996, Vol. 69, No. 24, Pg. 3722	
		TANO T et al, Observation of photoassisted electroluminescent..., Extended Abstracts 2001 International Conferences on Solid State Devices and Materials, Tokyo, Pg. 638-639	
		NI J et al, Organic light emitting diode with TiOPc layer...., Jpn. J. Appl. Phys., 2001, Vol. 40, Pg. L948-L951	
		KATSUME T et al, Light amplification device using organic electroluminescent diode coupled with photoresponsive....., Applied Physics Letters, 1995, Vol. 66, No. 22, Pg. 2992	
		KATSUME T et al, High photon conversion in a light transducer combining organic electroluminescent diode....., Applied Physics Letters, 1994, Vol. 64, No. 19, Pg. 2546	
		CHIKAMATSU M et al, Light up-conversion from near-infrared to blue using a photoresponsive organic light-emitting device, Applied Physics Letters, 2002, Vol. 81, No. 4, Pg. 769	
		MATSUNOBU G et al, High-speed multiplication-type photodetecting device using organic codeposited films, Applied Physics Letters, 2002, Vol. 81, No. 7, Pg. 1321	

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